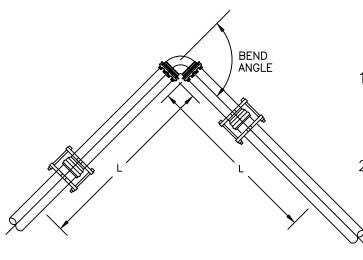
## HORIZONTAL BEND

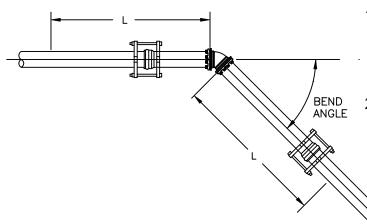


- 1. ALL JOINTS WITHIN LENGTH "L" MUST BE RESTRAINED. USE RETAINER GLAND AT MECHANICAL JOINTS AND HARNESS WITH PUSH—ON PIPE PER CITY STD. SPECIFICATIONS.
- 2. FOR TEST PRESSURES AND LAYING CONDITIONS SEE SECTION OF GENERAL NOTES FOR USE OF RESTRAINED JOINT LENGTHS.

		SIZ	E					
ш		4	6	8	10	12	14	16
D ANGL	11.25	3	3	3	4	4	5	5
	22.5	3	5	7	7	9	10	11
	45	7	11	13	15	18	20	23
EN I	90	17	24	31	37	43	49	55
ω,					•			

RESTRAINED LENGTHS, "L" (IN FEET)

## VERTICAL BEND



- 1. ALL JOINTS WITHIN LENGTH "L" MUST BE RESTRAINED. USE RETAINER GLAND AT MECHANICAL JOINTS AND HARNESS WITH PUSH—ON PIPE PER CITY STD. SPECIFICATIONS.
- FOR TEST PRESSURES AND LAYING CONDITIONS SEE SECTION OF GENERAL NOTES FOR USE OF RESTRAINED JOINT LENGTHS.

		SIZ	E	Ū				
. ليا		4	6	8	10	12	14	16
<u>U</u>	11.25	5	7	9	11	13	15	17
A[	22.5	11	15	19	23	27	31	35
	45	23	31	40	48	56	64	72
Ζ.								

RESTRAINED LENGTHS, "L" (IN FEET)

REF. & REV.

AUG. 2002

city of fresno

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